

Tenneco Oil Exploration and Production

A Tenneco Company

Rocky Mountain Division

Penthouse
720 South Colorado Blvd.
Denver, Colorado 80222
(303) 758-7130

September 4, 1980

Mr. Ed Gynn
U.S. Geological Survey
2000 Administration Bldg.
1745 West, 1700 South
Salt Lake City, Utah 84138

Re: Tenneco USA 20-11
2300 FSL, 2150 FWL
Sec. 20, T18S, R24E
Grand County, Utah

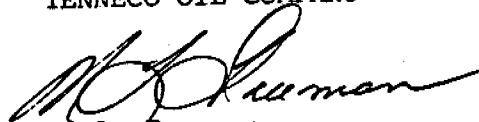
Gentlemen:

Pursuant to NTL-6 Part II A, a preliminary environmental review is requested prior to the entry on the ground for the purpose of staking the referenced location, access road, and other surface use areas.

Please notify us at your earliest convenience of the status of approval.

Yours very truly,

TENNECO OIL COMPANY


M. L. Freeman
Staff Production Analyst

MLF/pms
Enclosure

cc: Bureau of Land Management
P.O. Box M
Moab, Utah 84532



United States Department of the Interior

IN REPLY REFER TO

3100
(U-603)

BUREAU OF LAND MANAGEMENT
Moab District
Grand Resource Area
P.O. Box M
Moab, Utah 84532

September 15, 1980

Mr. Lee Freeman
Tenneco Oil
Penthouse
720 South Colorado Blvd.
Denver, CO 80222

Reference: Staking Request (PER)
Well 20-11
Section 20: T. 18 S., R. 24 E.
Grand County, Utah

Dear Mr. Freeman:

This office has no objections to staking the above referenced locations. Would you include your bond number when submitting your application to drill. In addition you should be knowledgeable that Grand County requires a permit if you plan to use a county road as a portion of your access road. You should contact the County Road Supervisor. An archaeological clearance must be obtained after staking the site(s).

Sincerely yours,

A handwritten signature in cursive script, reading "C. Delano Backus", is positioned above the typed name.

C. Delano Backus
Area Manager

cc:
Grand County Road Supervisor

RECEIVED

SEP 18 1980

TENNECO OIL CO.
DENVER

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>		5. LEASE DESIGNATION AND SERIAL NO. U14350	
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/>		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Tenneco Oil Company		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR 720 So. Colorado Blvd., Denver, Colorado 80222		8. FARM OR LEASE NAME Tenneco USA	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface 2370.9 FSL, 2077.6 FWL At proposed prod. zone (2371' FSL, 2078' FWL NE SW)		9. WELL NO. 20-11	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* See Exhibit IV		10. FIELD AND POOL, OR WILDCAT Whitaker Entrada Test	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drg. unit line, if any) 2077.6		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA Sec. 20, T78S, R24E	
16. NO. OF ACRES IN LEASE 2538.05		12. COUNTY OR PARISH 13. STATE Grand Utah	
17. NO. OF ACRES ASSIGNED TO THIS WELL 360 unit well		20. ROTARY OR CABLE TOOLS Rotary	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 5252.8 GR		22. APPROX. DATE WORK WILL START* October 1980	

23. PROPOSED CASING AND CEMENTING PROGRAM				
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
8 3/4"	7" new	23# K55	±300	Circulate to surface
6 1/4"	4 1/2" new	10.5# K55	±4400	Cover all productive zones

Set 1-3 joints 9 5/8" conductor.

See attached.

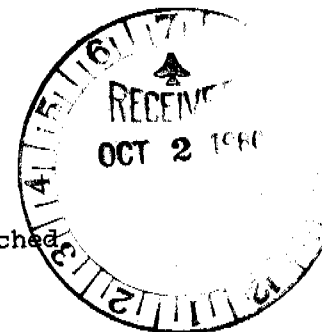
Preliminary environmental review request and response attached.

Archaeological survey has been done.

APPROVED BY THE DIVISION
OF OIL, GAS, AND MINING

DATE: 10/15/80

BY: [Signature]



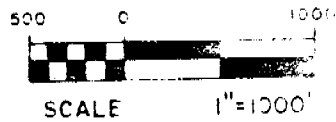
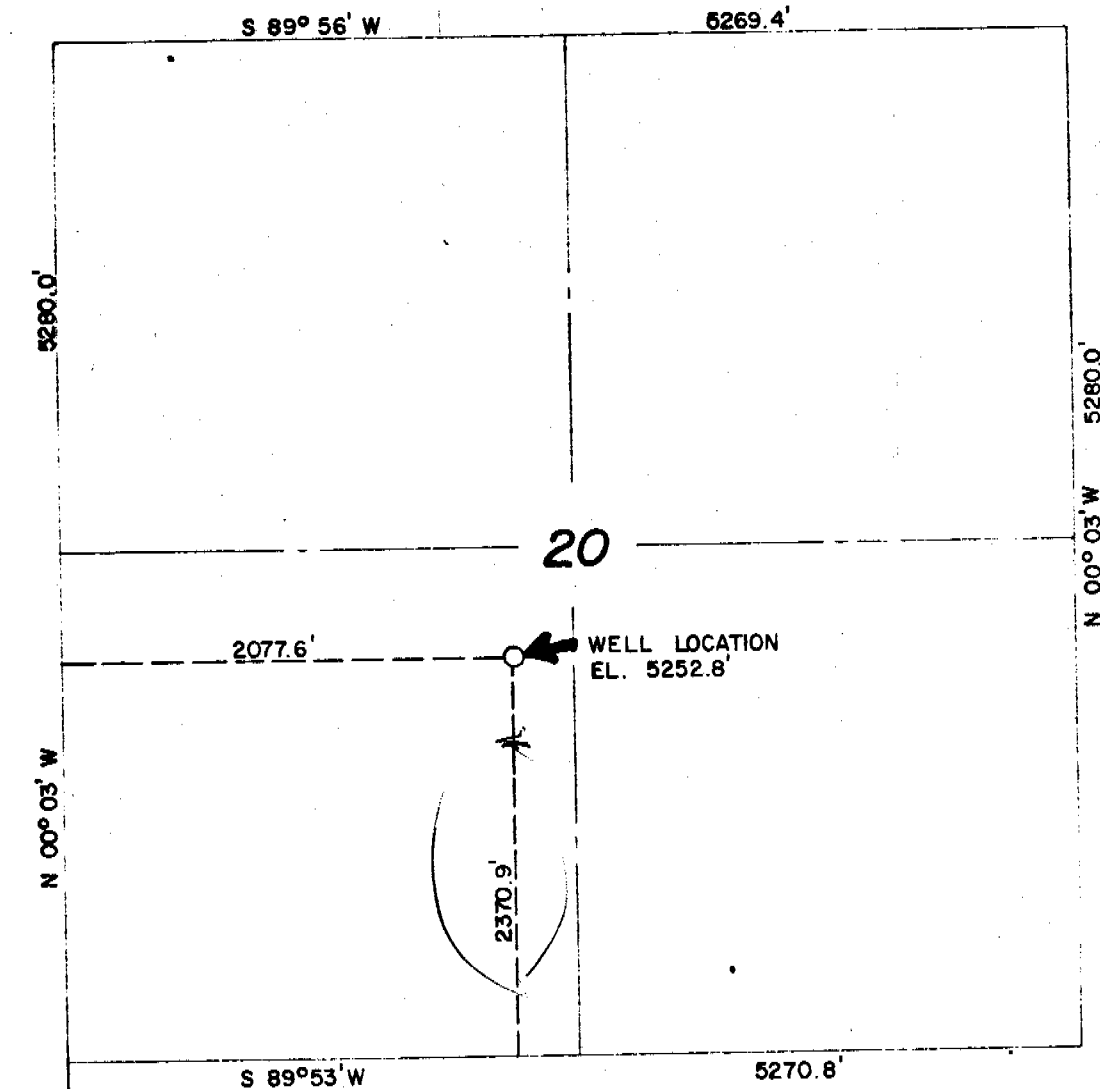
IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED [Signature] M.L. Freeman TITLE Staff Production Analyst DATE September 25, 1980
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

I



N 00° 03' W 2640'
2640'
(BASIS OF BEARING)

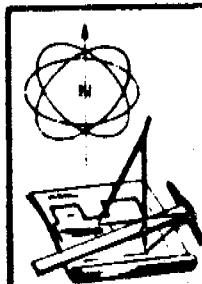
WELL LOCATION
2370.9 FT. N.S.L. - 2077.6 FT. E.W.L.
SECTION 20, T. 18 S., R. 24 E., S.L.B. & M.
GRAND COUNTY, UTAH

SURVEYOR'S CERTIFICATE

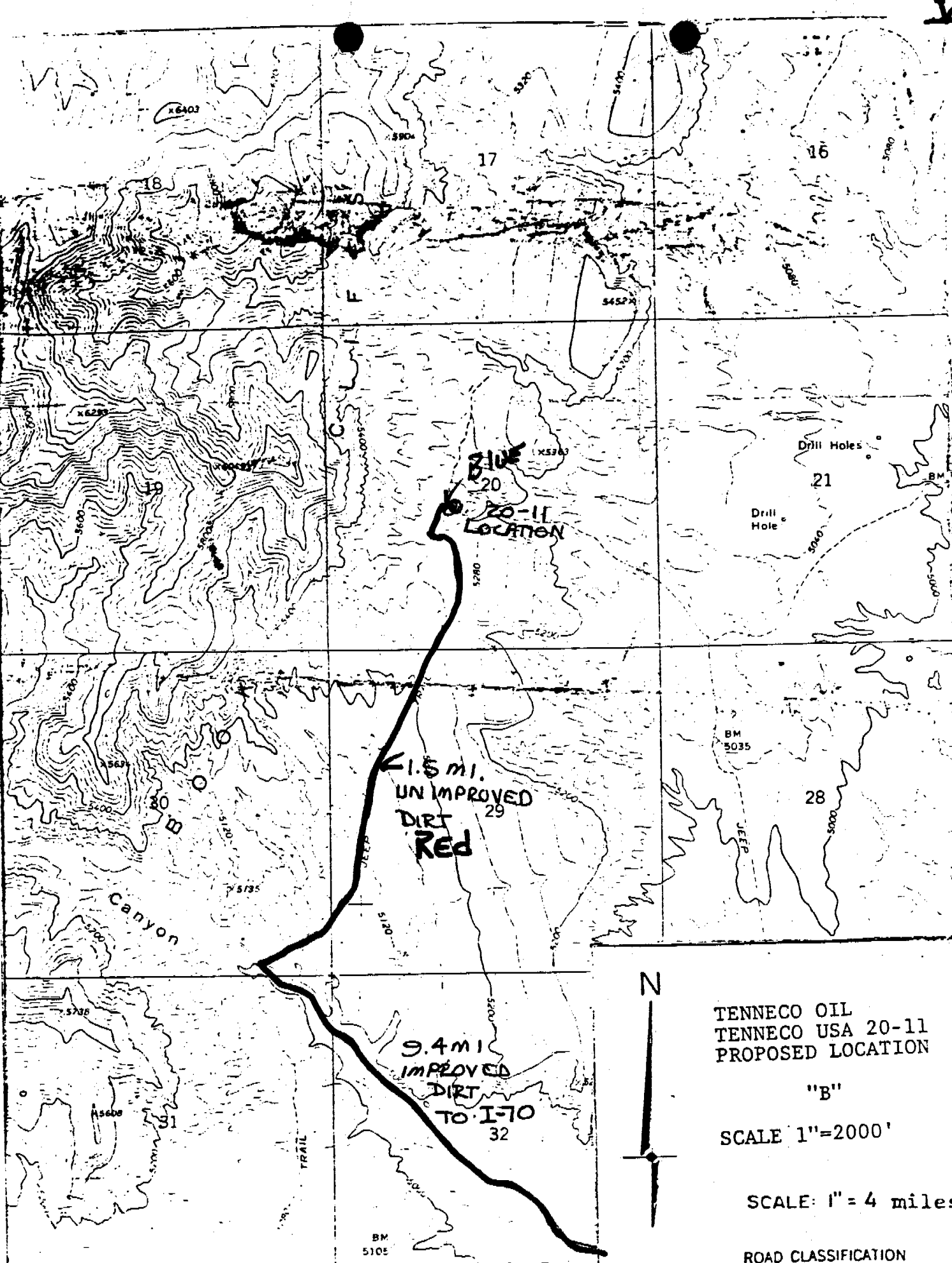
I, Edward A. Armstrong, a registered land surveyor in the State of Utah, do hereby certify that this survey was made under my direct supervision and that this plat represents said survey.

Edward A. Armstrong

EDWARD A. ARMSTRONG P.E. & L.S. 4464



ARMSTRONG ENGINEERS and ASSOCIATES, INC. ENGINEERING • SURVEYING • SOILS AND CONCRETE TESTING 861 ROOD AVENUE - GRAND JUNCTION, COLORADO 81501 (303) 245-3861	
SCALE 1"=1000'	TENNECO OIL CO. USA 20-11
DATE 9/18/80	
DRAWN BY SZH	
CHECKED BY J.R.S.	
DATE OF SURVEY 9/13/80	
SHEET 1 of 5	
JOB NUMBER 803005	



TENNECO OIL
TENNECO USA 20-11
PROPOSED LOCATION

"B"

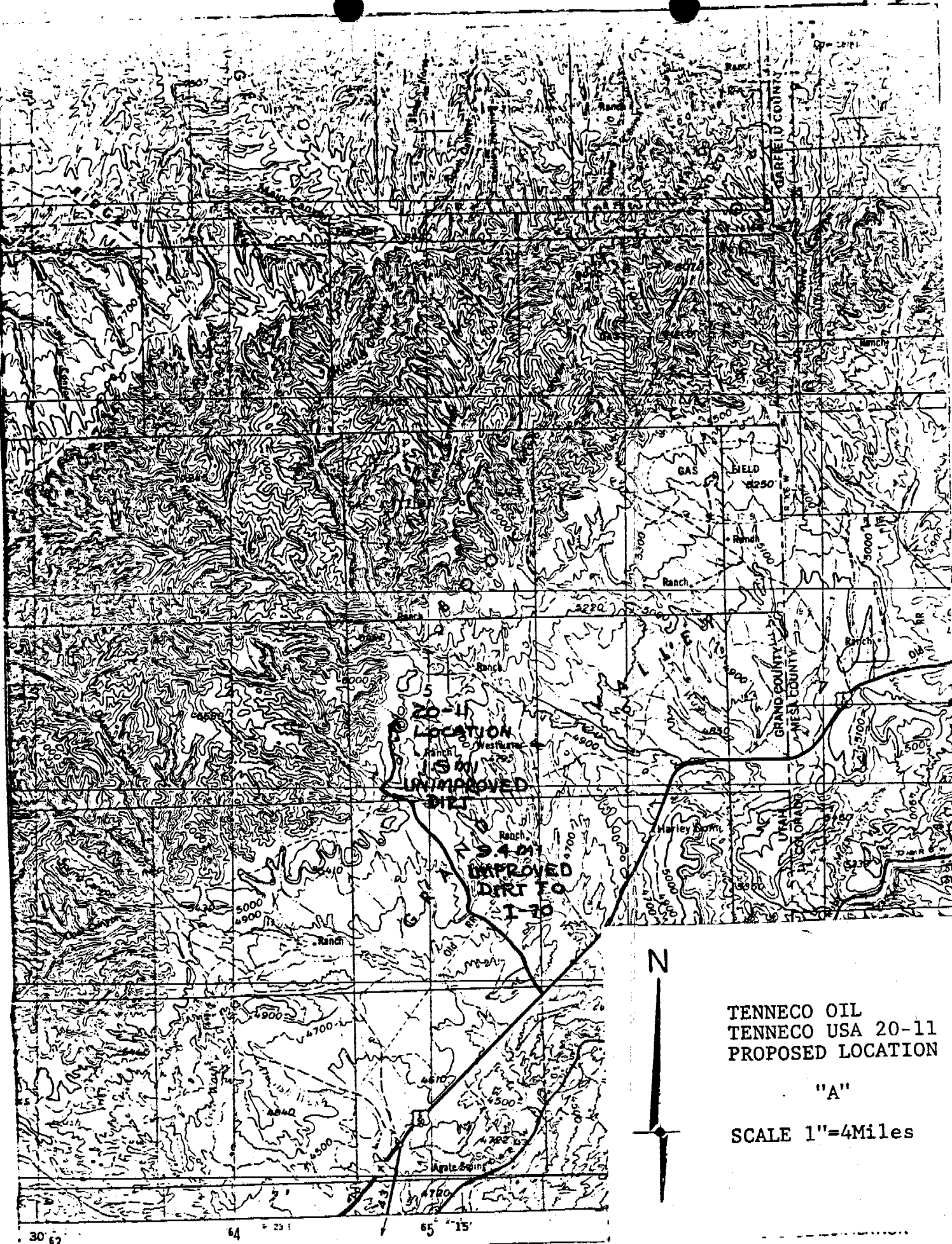
SCALE 1"=2000'

SCALE: 1"=4 miles

ROAD CLASSIFICATION

Light-duty.

Unimproved dirt -----



TENNECO OIL
TENNECO USA 20-11
PROPOSED LOCATION

"A"

SCALE 1"=4Miles



Light-duty ————— Unimproved dirt - - - - -

TENNECO OIL COMPANY - 10 POINT PLAN

1. The geological name of the surface formation: Castlegate
- 2 & 3. Estimated Formation Tops:

(See Attached Drilling Procedure)
4. Proposed Casing Program:

(See Attached Drilling Procedure)
5. Blowout Preventors:
Hydraulic double ram. One set of rams will be provided each size drill pipe in the hole. One set of blind rams at all times. Fill line will be 2", kill line will be 2", choke relief line will be 2". BOP's, drills and tests will be recorded in the driller's log. BOP will be tested every 24 hours and recorded in IADC Log.
6. Mud Program: (Sufficient quantity of mud and weight material will be available on location).

(See Attached Drilling Procedure.)
7. Auxiliary Equipment:
 - a. Kelly cock will be in use at all times.
 - b. Stabbing valve to fit drill pipe will be present on floor at all times.
 - c. Mud monitoring will be visual. No abnormal pressures are anticipated.
 - d. Floats at bits.
 - e. Drill string safety valve(s) to fit all pipe in drill string will be maintained on the rig floor while drilling operations are in progress.
8. Coring, Logging, and Testing Program:

(See Attached Drilling Procedure)
9. No abnormal pressures, temperatures or potential hazards such as H₂S are expected to be encountered.
10. The drilling of this well will start approximately (October 1980) and continue for 10 to 12 days.

Your office will be notified of spudding in sufficient time to witness cementing operations. Immediate notice will be given on blowouts, fires, spills, and accidents involving life threatening injuries or loss of life. Prior approval will be obtained before appreciably changing drilling program or commencing plugging operations, plug back work, casing repair work or corrective cementing operations.

TENNECO OIL COMPANY
ROCKY MOUNTAIN DIVISION
PENTHOUSE, 720 SOUTH COLORADO BOULEVARD
DENVER, COLORADO 80222

DRILLING PROCEDURE

DATE: September 4, 1980

LEASE: Tenneco USA

WELL NO.: 20-11

LOCATION: 2370.9 FSL, 2077.6 FWL
Section 20, T 18S, R24E
Grand County, Utah

FIELD: Sulphur Canyon

ELEVATION: 5252.8

TOTAL DEPTH: 4400'

PROJECTED HORIZON: Entrada

SUBMITTED BY: Bruce Ladd

DATE: September 4, 1980

APPROVED BY: 

DATE: _____

CC: Administration
DSB Well File
Field File

ESTIMATED FORMATION TOPS

Mesa Verde

Mancos

Castlegate

Surface

Frontier

3153

Dakota Silt

3403

Dakota

3528 (Gas)

Morrison

3653 (Water or Gas)

Salt Wash

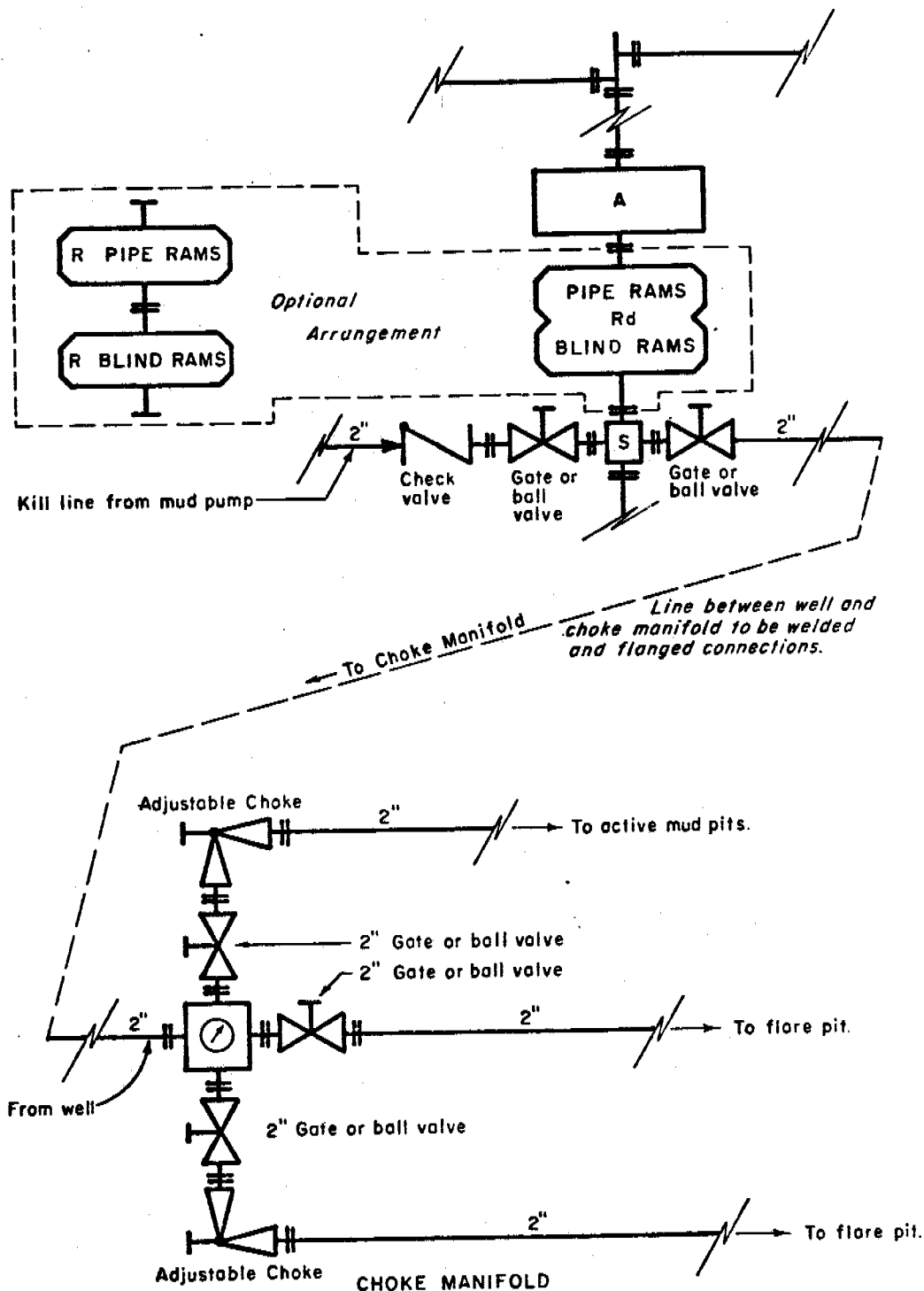
4028 (Water or Gas)

Entrada

4283 (Water or Gas)

T.D.

4393



All equipment to be 3,000 psi working pressure except as noted.

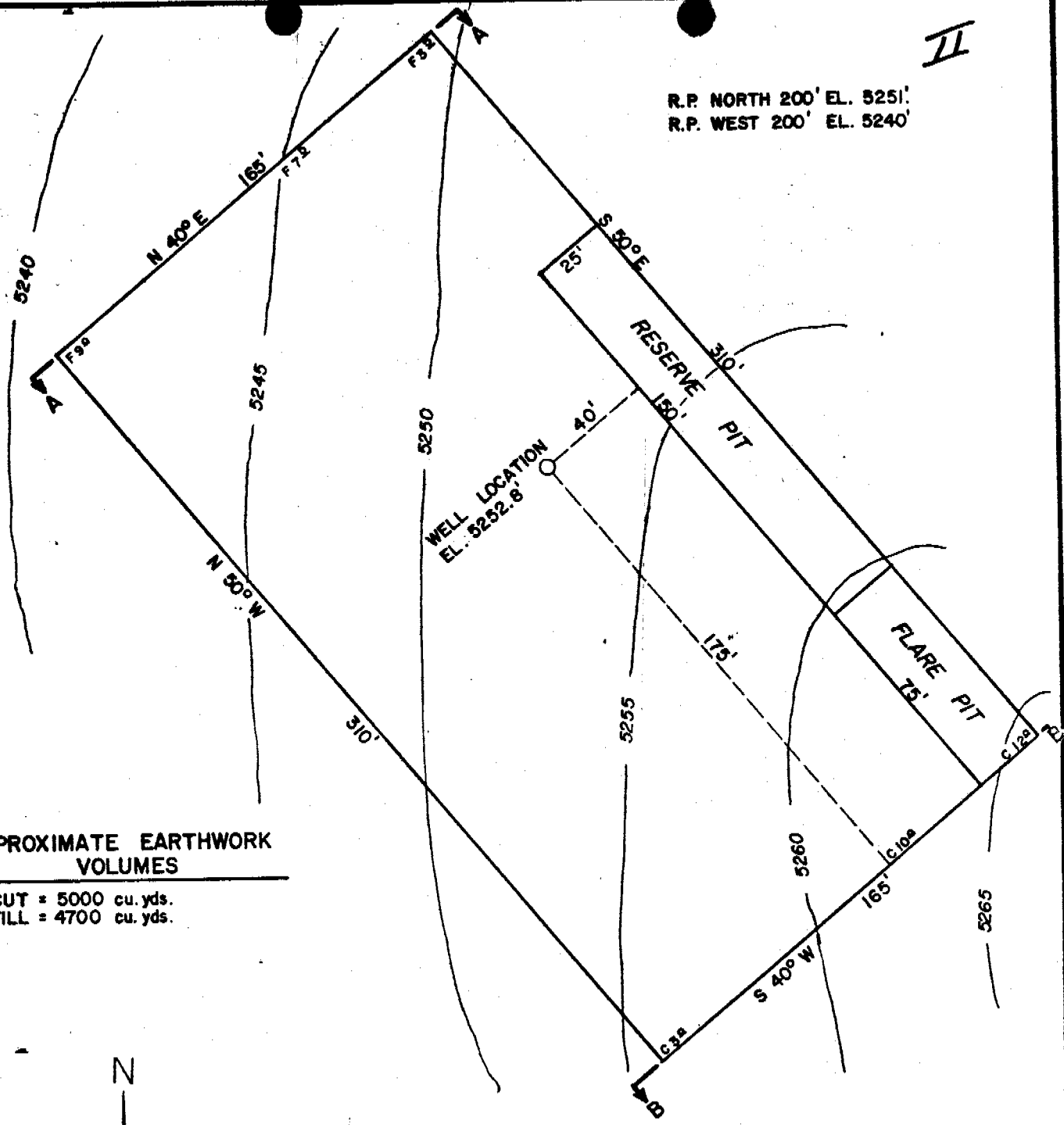
- Rd Double ram type preventer with two sets of rams.
- R Single ram type preventer with one set of rams.
- S Drilling spool with side outlet connections for choke and kill lines.
- A Annular type blowout preventer.

ARRANGEMENT B

TENNECO OIL COMPANY
 ROCKY MOUNTAIN DIVISION
 REQUIRED MINIMUM
 BLOWOUT PREVENTER AND
 CHOKE MANIFOLD

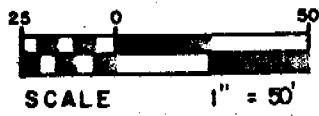
II

R.P. NORTH 200' EL. 5251'
R.P. WEST 200' EL. 5240'



APPROXIMATE EARTHWORK VOLUMES

CUT = 5000 cu. yds.
FILL = 4700 cu. yds.



5260

5250

5240

SECTION A-A

5260

5250

5240

SECTION B-B



ARMSTRONG ENGINEERS and ASSOCIATES, INC.
ENGINEERING • SURVEYING • SOILS AND CONCRETE TESTING
861 ROOD AVENUE -- GRAND JUNCTION, COLORADO 81501 -- (303) 245-3861

SCALE 1" = 50'
DATE 9/18/80
DRAWN BY SZH
CHECKED BY J.R.S.
DATE 9/13/80

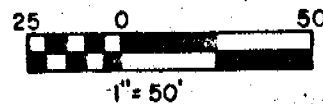
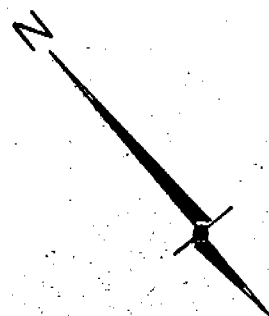
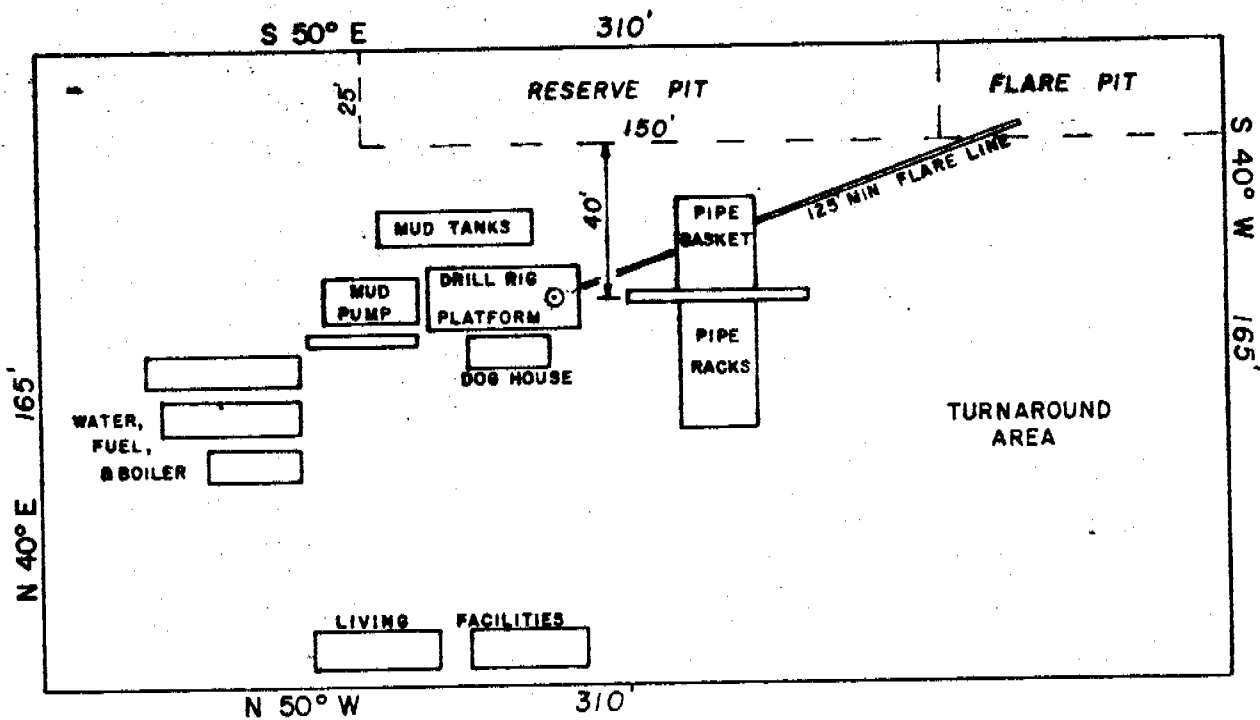
TENNECO OIL CO.
USA 20-11

SHEET 2 of 5

JOB NUMBER
803005

RIG LAYOUT

III



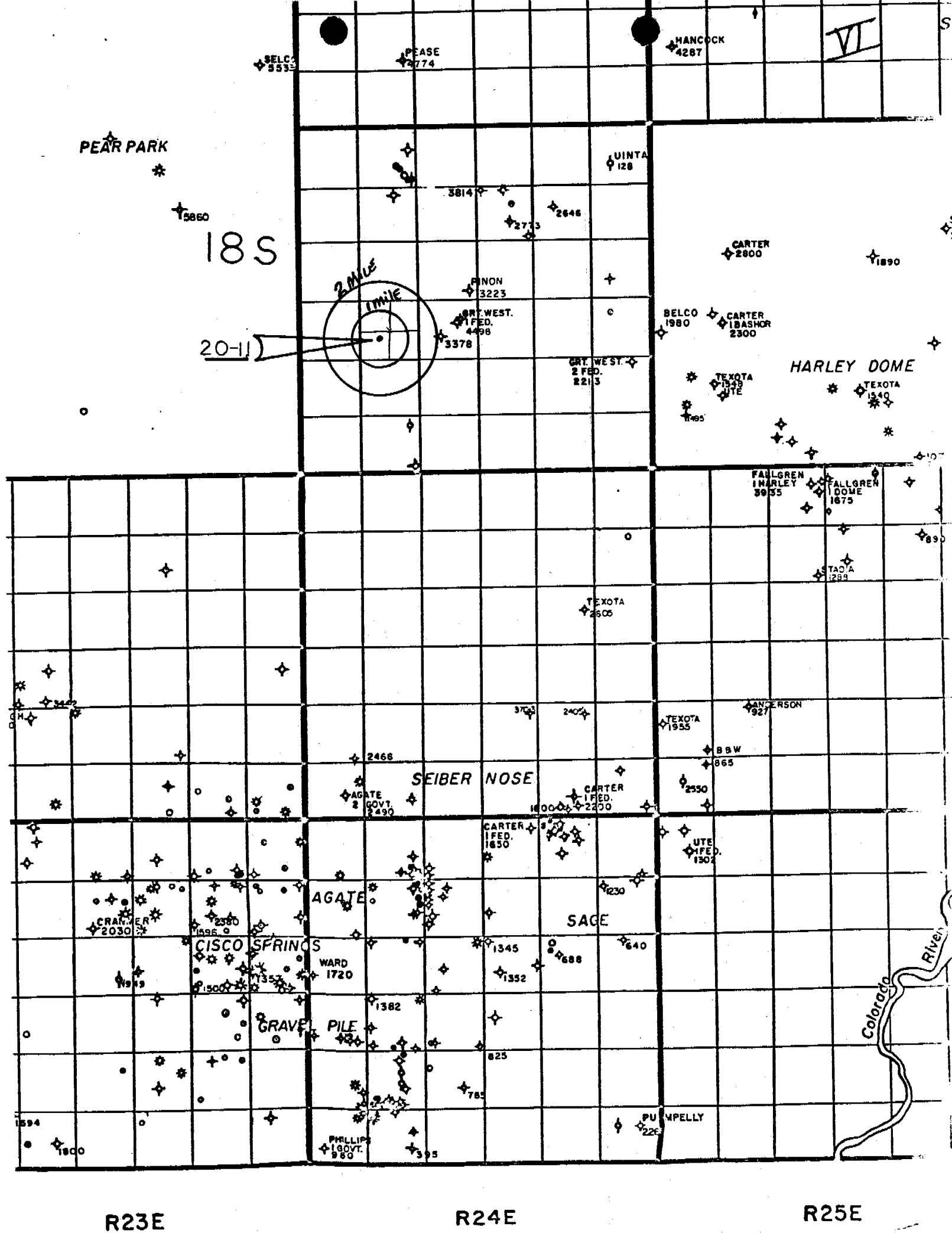
ARMSTRONG ENGINEERS and ASSOCIATES, INC.
ENGINEERING • SURVEYING • SOILS AND CONCRETE TESTING
861 ROOD AVENUE • GRAND JUNCTION, COLORADO 81501 - (303) 245-3861

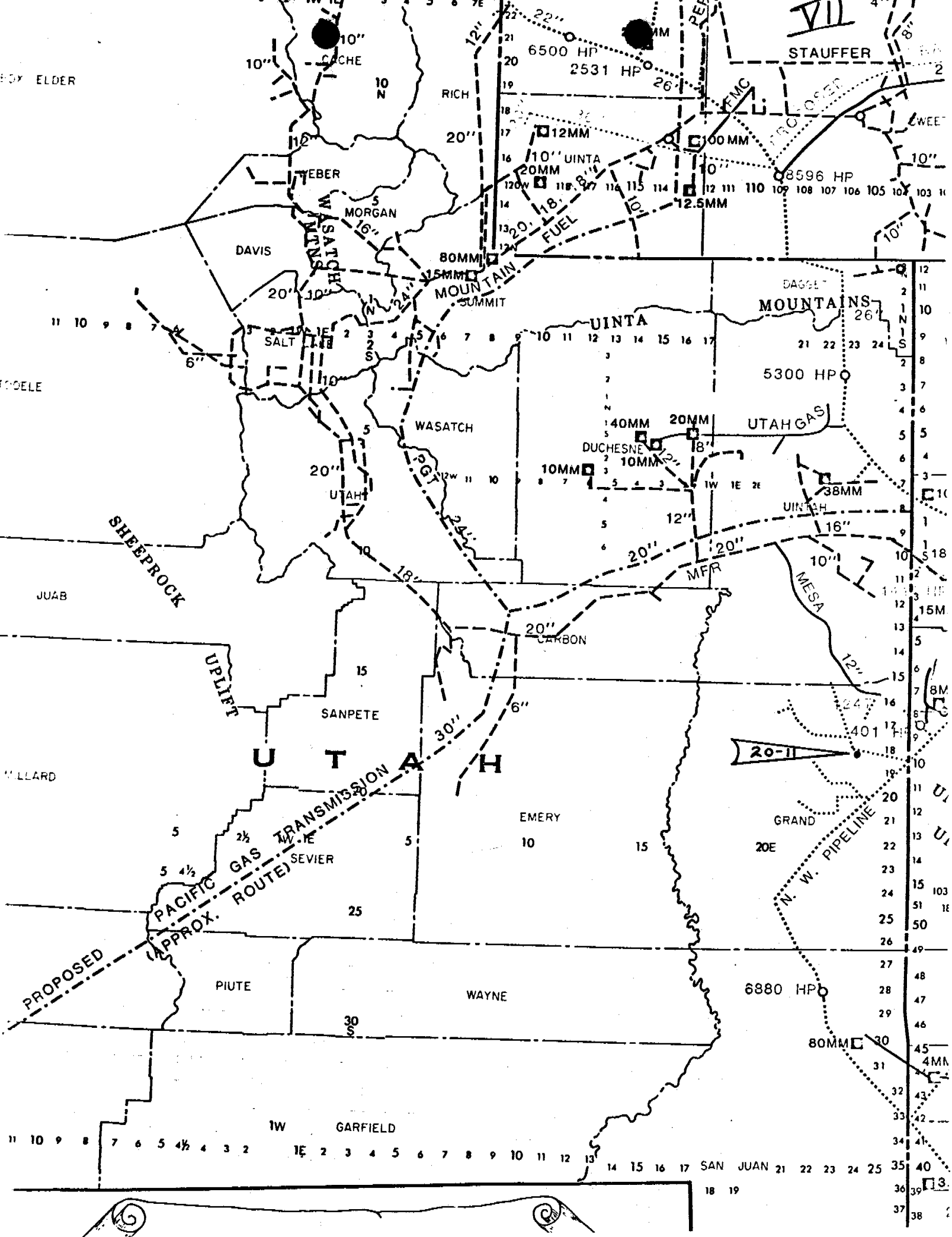
SCALE 1" = 50'
DATE 9/18/80
DRAWN BY SZH
CHECKED BY
DATE OF REVISION 9/13/80

TENNECO OIL
USA 20-11

SHEET 3 of 5

JOB NUMBER
803005





1. MIRURT.
2. Set 1-3 jts. of 9 5/8" casing as needed to be used as conductor pipe.
3. Install casing head and nipple up rotating head and block line.
4. Drill 8 3/4" hole to 300' or through the ~~Castlegate~~ Formation.
5. Run 7", 23#, K-55, ST&C surface casing to T.D. Cement with sufficient volume to circulate cement to the surface.
6. WOC. Nipple up BOP's, rotating head, choke manifold, etc. Pressure test BOP's, manifold, etc. to 1000 psi for 15 minutes.
7. TIH and displace water in casing with air. Drill out shoe and dry up hole.
8. Drill 6 1/4" hole to T.D.
9. Log well as per G. E. Department recommendations.
10. If well is productive, run 4 1/2", 10.5#, K-55, ST&C casing to T.D. Cement with sufficient volume to cover all possible productive zones.
11. If the well is non-productive, P & A as per Regulatory Agency Specifications.

CASING PROGRAM

CONDUCTOR:	30' to 125' as needed. 9 5/8", 36#, K-55, ST&C.
SURFACE:	300' \pm 7", 23#, K-55, ST&C
PRODUCTION:	4400 , 4 1/2", 10.5#, K-55, ST&C

KJD PROGRAM

1. Anticipate drilling entire hole with air.
2. In the event liquids are encountered, mist drilling will be attempted.
3. Should mist drilling be unsuccessful, the hole will have to be mudded up.
4. Also, if gas is encountered in sufficient volume to compromise the safety of the operations, mudding up will be required.
5. If mudding up is necessary, the following guidelines should be followed.
(1) Weight \pm 9.0 ppg. (2) Vis. as needed to clean hole. (3) W.L. 10cc or less.

EVALUATION

Cores and DST's: No cores or DST's are anticipated.

Deviation Surveys:

- 0-300' 2 1/2°) Surveys to be run every 500' or on trips, whichever comes first. Record surveys on IADC Drilling Report Sheet.
300'-4400' 5°) Maximum allowable deviations: (1) 1° change per 100' intervals
(2) 2 1/2° at surface casing setting depth.
(3) 5° at T.D.

In the event that the maximum allowable deviations are exceeded, the Denver Office of Tenheco Oil Company will be notified immediately.

Samples: NONE.

Logs:

SNP/GR	}	Air drilled.	FDC/CHL	}	Mud Drilled.
FDC/GR			DIL/LLB w/SP		
DIL					

BLOWOUT EQUIPMENT

1. Double ram hydraulic with pipe and blind rams operated by an accumulator.
2. Rotating head on air/mist holes.
3. Preventors must be checked for operation every 24 hours. This check MUST BE RECORDED on the IADC Drilling Report Sheet.

REPORTS

Drilling reports for the past 24 hours will include depth, footage, time distribution, activity breakdown, mud properties, bit record, bottom hole assembly, daily and cumulative mud costs, plus any other pertinent information, will be called into Tenneco Oil Company, Denver, Colorado, between 7:30 a.m. and 8:00 a.m.

1. 303-758-7130 (Office) Don Barnes
303-758-7287, (Office) Don Barnes' private line, Monday-Friday (before 7:45 a.m.)
303-936-0704 (Home) Don Barnes, weekends and holidays.
2. John Owen (Home) 303-795-0221

The yellow sheet of the IADC Report is to be filled out completely. The original copy of the drilling time recorder, and copies of any invoices from this well, signed and received for Tenneco Oil Company, will be mailed daily to:

TENNECO OIL COMPANY
ROCKY MOUNTAIN DIVISION
PENTHOUSE, 720 SOUTH COLORADO BOULEVARD
DENVER, COLORADO 80222

ATTENTION: Drilling Department

IN CASE OF EMERGENCY, NOTIFY THE FOLLOWING:

1. Mr. Don Barnes, Division Drilling Engineer.
2. Mr. John W. Owen, Project Drilling Engineer.
3. Mr. Mike Lacey, Division Production Manager (Home 303-979-0509).

I. EXISTING ROADS

- (a) Proposed Well Site Location:
As surveyed by a registered land surveyor, is located 2370.9 FSL,
2077.6 FWL, Sec. 20, T28S, R24E, Grand County, Utah.
See Exhibit I.

- (b) Planned Access Route: See Exhibits IV & V.

- (c) Access Road Labelled:

Color Code: Red - Improved surfaced roads
Blue - New access road to be constructed.

- (d) Not applicable, the proposed well is a development well.

- (e) The existing roads are show in Exhibits IV & V.

- (f) Existing Road Maintenance or Improvement:

The existing road will require minor improvements. In addition,
this road, along with the new access road, will require occasional
grading to return the road surface to a cross section necessary
for proper drainage.

II. PLANNED ACCESS ROUTE

- (a) Route Location - (See Exhibits IV & V)

The planned new access route was selected to provide the shortest
distance to the well site with acceptable grades from the main
connector road. Temporary access will be built initially, if the
facility is productive, the temporary road will be improved as
follows:

- (1) Width:

The average dirt width will be twenty feet. The average
traveled surface width will be twenty feet. Road construc-
tion will be in accordance with typical roadways requested
by the U. S. Bureau of Land Management.

- (2) Maximum Grades:

The maximum grade allowed will be 15%, however, this may
vary as topographical conditions vary. This access will
not have grades in excess of 8% due to the desert location.

(3) Turnouts: Turnouts are not required

(4) Drainage Design:

Prior to construction of the new access road, the brush and topsoil will be windrowed to each side of the alignment outside construction limits. The subgrade surface will be a minimum elevation of one foot above ditch grade. The road surface will be center crowned and the inslopes will have a maximum slope of 3:1 and fill slopes will be a maximum of 2:1.

(5) Culverts Use, Major Cuts and Fills: Culverts will be placed as needed and suggested by the BLM.

Max: cut - Due to level topography minimal cuts and
Max: fill - fills are expected.

(6) Surfacing Material:

The proposed permanent access road will be constructed with native material.

(7) Gates, Cattleguards, Fence Cuts:

Not needed

(8) New portion of road will be center flagged

III. LOCATION OF EXISTING WELLS

The proposed well is a development well. Exhibit VI shows existing wells within a one mile radius.

- A. Water Wells: N/A
- B. Abandoned Wells: N/A
- C. Temporarily Abandoned Wells: N/A
- D. Disposal Wells N/A
- E. Drilling Wells N/A
- F. Producing Wells: ~~See Exhibit~~ N/A
- G. Shut-In Wells: N/A
- H. Injection Wells: N/A
- I. Monitoring or Observation Wells: None.

IV LOCATION OF EXISTING AND/OR PROPOSED FACILITIES

A. Existing facilities within one mile owned or controlled by Lessee/Operator:

- | | |
|-----------------------------|------|
| (1) Tank batteries - | None |
| (2) Production facilities - | None |
| (3) Oil Gathering Lines - | None |
| (4) Gas Gathering Lines - | None |
| (5) Injection Lines - | None |
| (6) Disposal Lines - | None |

B. New Facilities in the Event of Production:

1. New facilities: well head, condensate tank, production unit, meter house all will be on the disturbed area.
2. Dimension of the facilities are shown in Exhibits II & III.
3. Construction will be to strip the topsoil, level drilling pad. Dehydrator pits will be constructed with soil materials native to the site. Construction methods will be employed to assume that no drainage flows are impounded to prevent the loss of any hydrocarbon from the site. This is to be done in a manner to facilitate rapid recovery and clean up.
4. Protective measures to protect wildlife and livestock: Dehydrator pits shall be overhead flagged should any hydrocarbon material be present on the surface. The dehydrator pits shall be fenced to prevent entry of livestock or wildlife.

C. Plan for rehabilitation of disturbed areas no longer needed for operations after construction completed:

Upon completion of well, areas required for continued use will be graded to provide drainage and minimize erosion. Those areas not required for continued usage will be graded to provide drainage and minimize erosion. Those areas unnecessary for use will be graded to blend with the surrounding topography. Topsoil will be replaced on those areas and seeded according to BLM specifications.

V. LOCATION AND TYPE OF WATER SUPPLY

- (a) The water source is not yet determined but will be from a legal private source.
- (b) Water Transportation system: Water to be hauled in trucks from an undetermined pick up point.
- (c) Water Wells: None

VI. SOURCE OF CONSTRUCTION MATERIALS

(a) Materials:

Construction materials will consist of soil encountered with the boundaries of the proposed site. Topsoil will be stripped to a depth of six inches and stockpiled in an area that does not interfere with operations.

(b) Land Ownership:

The planned site and access roads lie on Federal land administered by the United States Department of Interior, U.S. Bureau of Land Management.

(c) Materials Foreign to Site: NA

(d) Access road shown under item II

VII. METHODS OF HANDLING WASTE MATERIALS

(a) Cuttings:

Will be contained within the limits of the reserve pit.

(b) Drilling Fluids:

Will be retained in the reserve pit.

(c) Produced Fluids:

No substantial amount of water is expected. The amount of hydrocarbon that may be produced while treating will be retained in the reserve pit. Previous to clean up operations the hydrocarbon materials will be skimmed or removed as the situation would dictate.

(d) Sewage::

Sanitary facilities will consist of at least one chemical toilet. Waste will be contained in a pit and backfilled immediately following the drilling operations or removed by the toilet supplier.

(e) Garbage:

A burn cage will be constructed and fenced with small mesh wire. The small amount of refuse will be removed to a landfill after drilling operations.

(f) Clean up of well site:

After drilling, the surface of the drill pad will be cleaned and graded to accommodate a completion rig. The "mouse hole and rat hole" will be backfilled to prevent injury and hazard for livestock. Reserve pit will be fenced until dry and it can be backfilled and restored to natural terrain.

VIII. ANCILLARY FACILITIES

None required.

IX. WELL SITE LAYOUT

1. See Exhibits
2. Location of pits: Exhibits II & III
3. Rig Orientation: Exhibits II & III
4. Pits will be unlined, unless otherwise required.

X. PLANS FOR RESTORATION OF SURFACE

A. Reserve Pit Cleanup:

The pit will be fenced prior to rig release and shall be maintained until clean up. Previous to backfill operation, any hydrocarbon material on the pit surface will be removed. The fluids and solids contained in the pit shall be backfilled with soil excavated from the site and with soil adjacent to the reserve pit. The restored surface of the reserve pit will be contoured to prevent impoundment of any drainage flows. The gradient of the surface will be maintained to prevent sudden acceleration of drainage flows which could cause continued erosion of the surface. Following backfill completion, topsoil removed from the disturbed areas will be replaced in a uniform layer. The reserve pit will be seeded per Bureau of Land Management recommendation during the appropriate season following final restoration of the site.

B. Restoration Plans - Production Developed:

The reserve pit will be backfilled and restored as described under Item A. In addition, those disturbed areas not required for production will be graded to blend with the surrounding topography. Topsoil will be placed on these areas and seeded. The portion of the drill pad required for production and turning areas will be graded to minimize erosion and provide access to production facilities under inclement conditions. Following final improvement and surfacing of that portion of new access road, the topsoil windrowed to each side of the alignment will be placed on the cut slopes. Following depletion and abandonment of the site, restoration procedures will be those that follow under Item C.

C. Restoration Plans - No Production Developed:

Of course the reserve pit will be restored as described above. With no production developed, the entire surface disturbed by construction of the drilling pad will be restored to its natural terrain and reseeded per Bureau of Land Management requirements.

707

XI. OTHER INFORMATION

A. Surface Description:

The proposed site is located at the base of the Book Cliffs in an area of talus slopes. The soil is sandy, sandy clay with evidence of eolian activity. The vegetation consists of sage and native grasses.

B. Other Surface - Use Activities: The surface is federally owned and managed by the BLM/USGS. The predominant surface use is mineral exploration and production.

C. Proximity of Water, Dwelling, Historical Sites:

1. Water: No reservoirs or live streams in the area.
2. Occupied Dwellings: Not existing.
3. Historical Sites: An Archaeological Reconnaissance has been performed for this location and clearance has been granted.

XII. OPERATOR'S REPRESENTATIVE

Field Personnel who can be contacted concerning compliance of this Surface Use Plan are as follows:

Donald Barnes
720 So. Colorado Blvd.
Denver, Colorado 80222
Office: (303) 758-7130
Extension 212

M. L. Freeman
720 So. Colorado Blvd.
Denver, Colorado 80222
Office: (303) 758-7130
Extension 280

XIII. CERTIFICATION

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drill site and access route; that I am familiar with the conditions as they actually exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the proposed work performed by Tenneco Oil Company and its contractors and sub-contractors will conform to this plan.

DATE: September 25, 1980



M. L. Freeman
Staff Production Analyst

**** FILE NOTATIONS ****

DATE: October 10, 1980
OPERATOR: Tenneco Oil Co.
WELL NO: USA 20-11
Location: Sec. 20 T. R85 R. 24E County: Grand

File Prepared: ☐ Entered on N.I.D: ☐
Card Indexed: ☐ Completion Sheet: ☐

API Number 43-019-30731

CHECKED BY:

Petroleum Engineer: _____

Director: OK C-3(c) Topographical exception as per rule C-3(c) provided Tenneco owns or controls all oil and gas rights within 660' of proposed location

Administrative Aide: _____

APPROVAL LETTER:

Bond Required: ☐ Survey Plat Required: ☐

Order No. _____ O.K. Rule C-3 ☐

Rule C-3(c), Topographic Exception - company owns or controls acreage within a 660' radius of proposed site ☒

Lease Designation Fed. Plotted on Map ☒

Hot Line ☒ Approval Letter Written ☒
P.I. ☒

October 17, 1980

Tenneco Oil Company
720 So. Colorado Blvd.
Denver, Colorado 80222

Re: Well No. USA 20-11
Sec. 20, T. 28S, R. 24E
Grand County, Utah

Insofar as this office is concerned, approval to drill the above referred to gas well on said unorthodox location is hereby granted in accordance with Rule C-3(c), General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

MICHAEL T. MINDER - Petroleum Engineer
Office: 533-5771
Home: 876-3001


Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-019-30731.

Sincerely,

DIVISION OF OIL, GAS, AND MINING


Cleon B. Feight
Director

/ka
cc: USGS

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
DRILL ☒ DEEPEN ☐ PLUG BACK ☐

b. TYPE OF WELL
OIL WELL ☐ GAS WELL ☒ OTHER ☐
SINGLE ZONE ☒ MULTIPLE ZONE ☐

2. NAME OF OPERATOR
Tenneco Oil Company

3. ADDRESS OF OPERATOR
720 So. Colorado Blvd., Denver, Colorado 80222

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)
At surface 2370.9 FSL, 2077.6 FWL
At proposed prod. zone

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
See Exhibit IV

15. DISTANCE FROM PROPOSED*
LOCATION TO NEAREST
PROPERTY OR LEASE LINE, FT.
(Also to nearest drilg. unit line, if any) 2077.6

16. NO. OF ACRES IN LEASE
2538.05

17. NO. OF ACRES ASSIGNED
TO THIS WELL
360 unit well

18. DISTANCE FROM PROPOSED LOCATION*
TO NEAREST WELL, DRILLING, COMPLETED,
OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH
4400

20. ROTARY OR CABLE TOOLS
Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
5252.8 GR

22. APPROX. DATE WORK WILL START*
October 1980

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
8 3/4"	7" new	23# K55	±300	Circulate to surface
6 1/4"	4 1/2" new	10.5# K55	±4400	Cover all productive zones

Set 1-3 joints 9 5/8" conductor.

See attached.

Preliminary environmental review request and response attached. DIVISION OF
OIL, GAS & MINING

Archaeological survey has been done.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED M.L. Freeman TITLE Staff Production Analyst DATE September 25, 1980

(This space for Federal or State office use)

PERMIT NO. (Orig. Sgd.) A. M. RAFFOUL

APPROVAL DATE

FOR E. W. GUYNN
DISTRICT ENGINEER

DATE MAR 13 1981

APPROVED BY
CONDITIONS OF APPROVAL, IF ANY:

CONDITIONS OF APPROVAL ATTACHED
TO OPERATOR'S COPY

NOTICE OF APPROVAL

*See Instructions On Reverse Side

FLARING OR VENTING OF
GAS IS SUBJECT TO NTL 4-A
DATED 1/1/80

State Oil & Gas

United States Department of the Interior
Geological Survey
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104

NEPA CATEGORICAL EXCLUSION REVIEW

PROJECT IDENTIFICATION

Operator/Project Name Tenneco USA 20-11
Project Type Wildcat Gas Test (Unit Obligation Well)
Project Location 2370.9' FSL 2077.6' FWL, Sec. 20, T18S, R24E Grand County, UT
Date Project Submitted October 1, 1980

FIELD INSPECTION Date November 24, 1980

Field Inspection

Participants	<u>Lee Freeman</u>	<u>Operator</u>
	<u>Mike Buniger</u>	<u>Buniger Construction</u>
	<u>Elmer Duncan, Mical Walker</u>	<u>Bureau of Land Management</u>
	<u>Glenn Doyle</u>	<u>U. S. Geological Survey</u>
	<u>Craig Ivie</u>	<u>Northwest Pipeline</u>
	<u>Typing In & Out 1/26/81</u>	

I have reviewed the proposal in accordance with the categorical exclusion review guidelines. This proposal would not involve any significant effects and, therefore, does not represent an exception to the categorical exclusions.

December 15, 1980

Date Prepared

Glenn M. Doyle
Environmental Scientist

I concur

2/17/81
Date

E. L. [Signature]
District Supervisor

(Rec 2/17/81)

CATEGORICAL EXCLUSION REVIEW INFORMATION SOURCE

Criteria 516 DM 2.3.A	<u>Federal/State Agency</u>			Local and private corre- spondence (date)	Previous NEPA	Other studies and reports	Staff expertise	Onsite inspection (date)	Other
	Corre- spondence (date)	Phone check (date)	Meeting (date)						
1. Public health and safety					1, 2			11/24/80	
2. Unique charac- teristics					1, 2				
3. Environmentally controversial							6		
4. Uncertain and unknown risks						4			
5. Establishes precedents					1, 2				
6. Cumulatively significant							6		
7. National Register historic places	1 - 12/9/80								
8. Endangered/ threatened species	1 - 12/9/80								
9. Violate Federal, State, local, tribal law						4			3

Site-specific stipulations attached.

COMMON REFERENCE LIST

NEPA Categorical Exclusion Review

1. SMA Input
2. Reviews, reports, or information received from Geological Survey (CD, GD, WRD, TD).
3. Lease Stipulations/Terms
4. Application to Drill
5. Operator correspondence
6. Field observation
7. Private Rehabilitation Agreement

8/80



TENNECO 20-11 SEC. 20, T18S, R24E

Site-Specific Stipulations

1. Fence reserve pit on three sides prior to drilling and on the fourth side once the rig moves off.
2. If fractured bedrock or excessive rock is encountered, the reserve pit will be lined with 2-3 inches of bentonite raked into the soil.

STIPULATION

As to lands administered by the Bureau of Land Management under the above oil and gas lease, the lessee hereby agrees that the following stipulations are by this reference incorporated as terms and conditions of said lease:

Lessee shall submit in writing to the Bureau of Land Management District Manager of the district in which the land is located for advance written approval by that office, a detailed plan of operation respecting any operation which will, or which may, result in damage to property or land or scarring of the land surface, or induce erosion, including any planned use of bulldozers, earth-moving equipment or similar mobile equipment. Said operations include, but are not limited to, exploratory drilling, the construction of access roads, and the conduct of seismicographic explorations. The said operations will be conducted only to the extent so approved in writing by the District Manager.



Lessee



United States Department of the Interior

IN REPLY REFER TO

3100
(U-603)

BUREAU OF LAND MANAGEMENT

Moab District
Grand Resource Area
P. O. Box M
Moab, Utah 84532

Dec. 4, 1980

Memorandum

To: Oil & Gas Office
USGS Conservation Division
P.O. Box 3768
Grand Junction, CO 81502

From: Acting Area Manager, Grand

Subject: Tenneco Oil Company
Tenn. USA 20-11, Lease #U-14350
NE/SE Section 20, T. 18 S., R. 24 E., SLB&M
Grand County, Utah

On 11/24/80 a representative from this office met with Glenn Doyle, USGS, and Lee Freeman agent of the Tenneco Oil Company for an inspection of the above referenced location. Subject to the attached conditions, and written approval from USGS, I am approving the surface management portion of the Application for Permit to Drill.

The archaeological requirement has been fulfilled on this location. No threatened or endangered flora or fauna are indicated in the area.

Please forward the enclosed information to Tenneco Oil Company.

M. Scott Parker

Enclosures: (3)
1-Reclamation Procedures
2-Seed Mixture
3-Suggested Colors - Facilities



09 DEC 1980

Save Energy and You Serve America!

STANDARD STIPULATIONS FOR OIL & GAS EXPLORATION

Contact this office at least 24 hours prior to beginning construction of access road and pad.

Stockpile the surface six inches of topsoil in a wind-row on the south east quadrant of the location.

The upper banks (uphill side) of all cuts will be rounded during construction of the access road and pad.

Notify the BLM District Archaeologist if cultural material from sub-surface deposits is exposed during the operation.

The trash cage will be at the location and fenced with fine mesh wire during drilling operations.

The "blooey" line will be centered and directed into the pit.

If production is obtained, the access road will be upgraded to BLM specifications for long-term roads as outlined in the surface use standards section of the "Oil and Gas" pamphlet (joint BLM, USGS and USFS publication).

If production is obtained, all production facilities will be painted. (See enclosed suggested colors - for facilities).

Rehabilitation of the site and access road will be accomplished in accordance with the enclosed restoration procedures.

Production facilities and pipeline route are approved on this location under lease rights.

As agreed upon at the pre-drill field examination-

Access-

1) A culvert will be placed in each of two (2) drainage crossings (30" X 24' long) on an existing road in SE/SE Section 30 T. 18 S., R. 24 E., (Private surface with oil & gas reserved to the federal government).

2) Tenneco Oil Company will secure written permission to cross private land in W₂/W₂ Section 29, T. 18 S., R. 24 E., and a copy of that written permission will be attached and become a part of this permit to drill prior to issue.

3) A low water crossing will be installed in the drainage at the road crossing in NE/SW Section 20, T. 18 S., R. 24 E.

Tenneco agrees to use the rest of the road in the condition it is in now.

Location-

- 1) Trees (pinion & juniper) removed from the site will be stock-piled on the south west quadrant.
- 2) An area, at least one dozer blade will be cleared along the east side of the flare pit.
- 3) The pit(s) will be fenced on three sides, with 48 inch high woven wire during drilling. Fence the forth side prior to moving the rig away, and re-infource the fence with a strand of barbed wire around the top.

Restoration-

- 1) Re-countour the disturbed surface to resemble the surrounding terrian.
- 2) Seeding of un-needed surface for production and/or the whole site will be done by drilling, and in accordance Abandonment Guidelines as contained in the yellow pamphlet "Surface Operating Standards for Oil and Gas Exploration and Development" second edition, August 1978 (U.S. D.I. - U.S.D.A. - U.S.G.S.).

REGENERATION PROCEDURES IN GRAND SOURCE AREA

1. Disk or rip pads and access roads.
 - a. Overlap passes in order to insure complete treatment.
2. Contour pads and access roads.
 - a. Lay berms into centers.
 - b. Use cut material for fill areas.
 - c. Lay stockpiled surface soil over top of pads and spread evenly.
 - d. On highly erosive soils, it may be more beneficial to grade slopes to reduce steepness.
 - e. Do not smooth pads out, leave a roughened surface. On steeper slopes and slopes with clayey soils scarify or serrate the ground in order to increase water infiltration and reduce erosion.
3. Water bar roads where required by this office.

* 2%	Grade	-	200 ft. intervals
2-4%	Grade	-	100 ft. intervals
4-5%	Grade	-	75 ft. intervals
5%	Grade	-	50 ft. intervals

* Actual spacing may vary according to soil stability. Lighter textured soils will require more frequent water bars. When natural drainage ways are present, water bars are to be constructed to make maximum use of them. Plan operations so that natural drainage ways do not become blocked.
4. Seed roads and pads in the fall (Oct. through mid-Dec.).

SEED MIXTURE

SPECIES

LBS/ACRE

Grasses

Oryzopsis hymenoides	Indian Rice Grass	1
Agropyron smithii	Western Wheat Grass	1
Hilaria jamesii	Curley Grass	1

Forbs

Sphaeralcea coccinia	Globemallow	1
----------------------	-------------	---

Browse

Atriplex canescens	Four-Wing Saltbush	1
Atriplex confertifolia	Shadscale	1

Total	6
-------	---



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

SUGGESTED COLORS TO PAINT OIL & GAS PRODUCTION FACILITIES

Cisco Desert and Flats below the Bookcliffs:

Dynasty Green	(Sears)
Tumbleweed	(Pratt & Lambert)
Desert Tan	-----
Sage Gray	(Pratt & Lambert)

Bookcliffs Region:

Sage Gray	(Pratt & Lambert)
Sea Life	(Pratt & Lambert)
Dynasty Green	(Sears)

Similar hues other than the ones mentioned above must be approved by the Grand Resource Area Manager.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil well ☐ gas well ☒ other

2. NAME OF OPERATOR
Tenneco Oil Company

3. ADDRESS OF OPERATOR
P. O. Box 3249, Englewood, CO 80155

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 2371' FSL 2078' FWL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐
(other) ☐

SUBSEQUENT REPORT OF:

☐
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OIL, GAS, OR MINERAL

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

5. LEASE

U-14350

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Sulphur Canyon Unit USA

8. FARM OR LEASE NAME

9. WELL NO.

20-11

10. FIELD OR WILDCAT NAME

Undesignated Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA

Sec. 20, T18S R24E

12. COUNTY OR PARISH 13. STATE

Grand

Utah

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
5252.8' gr.

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

5/1/81 - Work stuck pipe. Ran free point 2100-2150', 100% free 2150-2160', 60% free @ 2160' stuck. Bit @ 3965.

5/3/81 - Circ and cond hole. Work stuck pipe.

5/4/81 - Pump aerated mud, pipe came loose. TOOH. Laid down bent drill pipe.

5/5/81 - TIH to 3970'. Unload hole. Ream from 3970-4270'. Drilling.

5/6/81 - Total depth 4435'. Circ and cond. Trip for logs. Logging.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED C. A. [Signature] TITLE Asst. Div. Adm. Mgr. DATE 5/18/81

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ well gas ☒ well other ☐

2. NAME OF OPERATOR
Tenneco Oil Company

3. ADDRESS OF OPERATOR
P. O. Box 3249, Englewood, CO 80155

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 2371' FNL 2078' FWL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:
TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐
(other) ☐

SUBSEQUENT/REPORT OF:

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MAY 1981
OFFICE OF
OIL, GAS & MINING

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

4/25/81 - Drilling. Lost returns. Drill 9'. Lost circ. Regain returns. Drill 3' lost returns.

4/26/81 - Mix mud. Pump 400 bbls. No returns. Mix mud, pump 140 bbls. Partial returns. POOH. Stand back drill collars. TIH to 3996'. Circ full returns. Pump 45 sx Class B. Displace. Estimate fill @ 450'. POOH w/3000' clear pipe. Plug down. POOH. WOC.

4/27/81 - Drill cmt and ahead. (Depth 4046')

4/28/81 - Lost circ @ 4127'. POOH.

4/29/81 - Build volume and mix LCM. Lost 490 bbls before getting full returns @ 3945'. TIH to 4127'. Pump LCM. Resume drilling. Losing 3-4 bbls/hr. TFB #10. (Depth 4185')

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ OVER _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED Charles J. [Signature] TITLE Asst. Div. Adm. Mgr. DATE 5/18/81

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ well gas ☒ well other ☐

2. NAME OF OPERATOR

Tenneco Oil Company

3. ADDRESS OF OPERATOR

P. O. Box 3249, Englewood, CO 80155

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)

AT SURFACE: 2371' FSL 2078' FWL

AT TOP PROD. INTERVAL:

AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐
(other) ☐

SUBSEQUENT REPORT OF:

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☐

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

DIVISION OF
OIL, GAS & MINING

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

4/17/81 - Pick up drill collars. TIH. Drill out shoe and dry hole. Drill ahead w/6-1/4" bit.
4/18/81 - Drilling.
4/19/81 - Drilling.
4/20/81 - Air mist drilling to 3651'. NU flowline. Mud up. TIH to 2989' w/350 bbls and partial returns. 35-85 units background gas.
4/21/81 - TIH. Ream collar, string float, sub w/fire stop and bit in hole. TOP of fish @ 3564'.
4/22/81 - TIH w/overshot. Latch on to fish. Screw into fish, jar loose.
4/23/81 - TOOH w/fish.
4/24/81 - Drilling.

Subsurface Safety Valve: Manu. and Type _____

Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED _____

TITLE Asst. Div. Adm. Mgr.

DATE 5/18/81

(This space for Federal or State office use)

APPROVED BY _____

TITLE _____

DATE _____

CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ well gas ☒ well other ☐
2. NAME OF OPERATOR
Tenneco Oil Company
3. ADDRESS OF OPERATOR
P. O. Box 3249, Englewood, CO 80155
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 2371' FSL 2078' FWL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	<input type="checkbox"/>		<input type="checkbox"/>
FRACTURE TREAT	<input type="checkbox"/>		<input type="checkbox"/>
SHOOT OR ACIDIZE	<input type="checkbox"/>		<input type="checkbox"/>
REPAIR WELL	<input type="checkbox"/>		<input type="checkbox"/>
PULL OR ALTER CASING	<input type="checkbox"/>		<input type="checkbox"/>
MULTIPLE COMPLETE	<input type="checkbox"/>		<input type="checkbox"/>
CHANGE ZONES	<input type="checkbox"/>		<input type="checkbox"/>
ABANDON*	<input checked="" type="checkbox"/>		<input type="checkbox"/>
(other)			

5. LEASE
U-14530
6. IF INDIAN, ALLOTTEE OR TRIBE NAME
7. UNIT AGREEMENT NAME
8. FARM OR LEASE NAME
Sulphur Canyon Unit USA
9. WELL NO.
20-11
10. FIELD OR WILDCAT NAME
Undesignated Wildcat
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 20, T18S R24E
12. COUNTY OR PARISH
Grand
13. STATE
Utah
14. API NO.
15. ELEVATIONS (SHOW DF, KDB, AND WD)
5252' gr.

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

5/6/81 - Due to mechanical troubles and poor production potential shown by logs, Tenneco proposes to plug and abandon the above referenced well in the following manner:

Set 1st plug from 4290-4100'	190' w/36 sx Class B cmt	Install dry hole marker.
2nd plug from 3696-3596'	100' w/18 sx Class B cmt	Grade, reseed, cleanup
3rd plug from 3000-2800'	200' w/36 sx Class B cmt	location per USGS require-
4th plug from 600-400'	200' w/36 sx Class B cmt	ments.
5th plug from 30-surf.	30' w/10 sx Class B cmt	

APPROVED BY THE DIVISION
OF OIL, GAS, AND MINING

DATE: 5-27-81

BY: M. J. Winder

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED: Cathy Thornton TITLE: Asst. Div. Adm. Mgr. DATE: 5/13/81

(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____ DATE _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ gas ☒ other
-
2. NAME OF OPERATOR
Tenneco Oil Company
-
3. ADDRESS OF OPERATOR
P. O. Box 3249, Englewood, CO 81055
-
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 2371' FSL 2078' FWL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:
-
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

SUBSEQUENT REPORT OF:

- | | | |
|--------------------------------------|--------------------------|-------------------------------------|
| TEST WATER SHUT-OFF | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| FRACTURE TREAT | <input type="checkbox"/> | <input type="checkbox"/> |
| SHOOT OR ACIDIZE | <input type="checkbox"/> | <input type="checkbox"/> |
| REPAIR WELL | <input type="checkbox"/> | <input type="checkbox"/> |
| PULL OR ALTER CASING | <input type="checkbox"/> | <input type="checkbox"/> |
| MULTIPLE COMPLETE | <input type="checkbox"/> | <input type="checkbox"/> |
| CHANGE ZONES | <input type="checkbox"/> | <input type="checkbox"/> |
| ABANDON* | <input type="checkbox"/> | <input type="checkbox"/> |
| (other) Commence drilling operations | | |

5. LEASE
U-14350

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Sulphur Canyon Unit USA

9. WELL NO.
20-11

10. FIELD OR WILDCAT NAME
Undesignated Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 20, T18S R24E

12. COUNTY OR PARISH Grand	13. STATE Utah
-------------------------------	-------------------

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
5252.8' gr.

NOTE: Report results of multiple completion or zone change on Form 9-330.)

MAY 22 1981

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*
- 4/14/81 - MIRURT. Spud well 4/13/81 w/Brinkhoff Signal rig #9. Drill to 253'. Set 55' of 9-5/8" conductor pipe. Cmt w/305 sx Class G. WOC. Circ cmt to surface. WOC.
- 4/15/81 - Drill to 515'. TOOH. Weld on 9-5/8" csg head. Pressure test to 1000 PSI. TIH. Laid down drill collars. RU and run 14 jts of 7" 23# csg. Shoe @ 513' KB. Cmt w/100 sx Class H w/2% CACL₂ and 1/4# Celloflake/sk. Plug down. Circ cmt to surface. Float held.
- 4/16/81 - Set slips, cut off csg. NUBOPS. Pressure test pipe rams and choke manifold to 1400 PSI for 15 mins. Pressure test blind rams and kelly to 1400 PSI for 15 mins.
- 4/17/81 - 5/6/81 - Encountered numerous problems down hole such as lost circulation, tight holes, stuck pipe. Logs show poor production potential.
- Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED [Signature] TITLE Asst. Div. Adm. Mgr. DATE 5/13/81

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY: _____

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ gas ☒ other ☐
well well
2. NAME OF OPERATOR
Tenneco Oil Company
3. ADDRESS OF OPERATOR
P. O. Box 3249, Englewood, CO 80155
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 2371' FSL 2078' FWL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

- TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐
(other)

SUBSEQUENT REPORT OF:

- ☐
☐
☐
☐
☐
☐
☐
☒

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

5/7/81 - Tenneco has plugged and abandoned the above referenced well as follows:

Set a 36 sk Class B cmt plug from 4290-4100', set an 18 sk plug from 3696-3596', set a 36 sk Class B cmt plug from 3000-2800', set a 36 sk Class B cmt plug from 600-400' and set a 10 sk cmt plug from 30' to surface. Install dry hole marker.

**APPROVED BY THE DIRECTOR
OF OIL, GAS, AND MINING**
DATE 8-31-81
BY: M. J. Menden

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED De M. Lane TITLE Production Analyst DATE 8/10/81

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:



STATE OF UTAH
NATURAL RESOURCES & ENERGY
Oil, Gas & Mining

Scott M. Matheson, Governor
Temple A. Reynolds, Executive Director
Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

February 8, 1982

Tenneco Oil Company
P. O. Box 3249
Englewood, Colorado 80155

Re: Well No. USA #20-11
Sec. 20, T. 18S, R. 24E
Grand County, Utah

Gentlemen:

This letter is to advise you that the Well Completion or Recompletion Report and Log for the above mentioned well is due and has not been filed with this office as required by our rules and regulations.

Please complete the enclosed Form OGC-3, in duplicate, and forward them to this office as soon as possible.

Thank you for your cooperation relative to the above.

Very truly yours,

DIVISION OF OIL, GAS AND MINING

Cari Furse

Cari Furse
Clerk Typist

*Talked to Don Morrison
3-24-82 - He is
sending completion.*

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE*

(See other in-
structions on
reverse side)Form approved.
Budget Bureau No. 42-R355.5

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL:		OIL WELL <input type="checkbox"/>	GAS WELL <input type="checkbox"/>	DRY <input checked="" type="checkbox"/>	Other _____		
b. TYPE OF COMPLETION:		NEW WELL <input type="checkbox"/>	WORK OVER <input type="checkbox"/>	DEEP-EN <input type="checkbox"/>	PLUG BACK <input type="checkbox"/>	DIFF. RESVR. <input type="checkbox"/>	Other <u>Plug & Abandon</u>
2. NAME OF OPERATOR Tenneco Oil Company							
3. ADDRESS OF OPERATOR P. O. Box 3249, Englewood, CO 80155							
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 2371' FSL 2078' FWL At top prod. interval reported below At total depth same as above <div style="text-align: right; margin-right: 50px;">NE SW</div>							
14. PERMIT NO. 43-019-30731				DATE ISSUED 10-15-80			
15. DATE SPUDDED 4/13/81		16. DATE T.D. REACHED 5/6/81		17. DATE COMPL. (Ready to prod.)		18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5252' gr.	
20. TOTAL DEPTH, MD & TVD 4435'		21. PLUG, BACK T.D., MD & TVD surface		22. IF MULTIPLE COMPL., HOW MANY*		23. INTERVALS DRILLED BY →	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* None						19. ELEV. CASINGHEAD	
26. TYPE ELECTRIC AND OTHER LOGS RUN (<u>NT-SFL</u>) (<u>BCS</u>) (<u>IVFD</u>)						25. WAS DIRECTIONAL SURVEY MADE No	
27. WAS WELL CORED No							
28. CASING RECORD (Report all strings set in well)							
CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD		AMOUNT PULLED	
7"	23#	500'	8-3/4"	100sx Class H			
29. LINER RECORD							
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	30. TUBING RECORD		
					SIZE	DEPTH SET (MD)	PACKER SET (MD)
31. PERFORATION RECORD (Interval, size and number) None				32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.			
				DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
33.* PRODUCTION							
DATE FIRST PRODUCTION None		PRODUCTION METHOD (Flowing, gas lift, pumping) None					
DATE OF TEST		HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF. APR 01 1982	WATER—BBL.
FLOW. TUBING PRESS.		CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)							
35. LIST OF ATTACHMENTS							
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records							
SIGNED <u>Don H. Harrison</u>		TITLE <u>Production Analyst</u>				DATE <u>3/26/82</u>	

*(See Instructions and Spaces for Additional Data on Reverse Side)



STATE OF UTAH
NATURAL RESOURCES
Oil, Gas & Mining

Norman H. Bangerter, Governor
Dee C. Hansen, Executive Director
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

November 26, 1985

Tenneco Oil Company
P.O. Box 3249
Englewood, Colorado 80155

Gentlemen:

Re: Well No. USA 20-11 - Sec. 20, T. 18S., R. 24E.,
Grand County, Utah - API #43-019-30731

This letter is to advise you that Sec. 38, Geologic Markers, on the back side of the "Well Completion or Recompletion Report and Log" for the above referenced well was not filled in when this report was submitted.

We are sure this was an oversight on your part and we request that you complete the enclosed Form OGC-3 and forward it to this office as soon as possible, but not later than December 10, 1985.

Sincerely,

Pam Kenna
Well Records Specialist

Enclosure

cc: Dianne R. Nielson
Ronald J. Firth
John R. Baza

File

0170S/16

From the desk of
NORM STOUT

3-7-86

RON FIRTH ADVISES THAT ADDITIONAL
EFFORTS TO OBTAIN FORMATION TOPS
WOULD NOT BE APPROPRIATE.

Norm

~~Had 2nd notice of
letter in file and
info sent 2/21/86~~

~~Thank,
John~~

ORIGINAL LTR / STAMPED

~~"2nd NOTICE" ?~~

~~No Further
Action
necessary~~